

# Raw Sequence Listing Error Summary

01PE

## ERROR DETECTED

## SUGGESTED CORRECTION

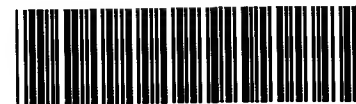
SERIAL NUMBER: 09/998, 551A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1        Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2        Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3        Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4        Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5        Variable Length      Sequence(s)        contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6        PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)       . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7        Skipped Sequences  
    (OLD RULES)      Sequence(s)        missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
    (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped  
  
    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8        Skipped Sequences  
    (NEW RULES)      Sequence(s)        missing. If intentional, please insert the following lines for each skipped sequence.  
    <210> sequence id number  
    <400> sequence id number  
    000
- 9        Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10        Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11   ✓   Use of <220>      Sequence(s)        missing the <220> "Feature" and associated numeric identifiers and responses.  
    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12        PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13        Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

0590  
0821

#12



OIPE

## RAW SEQUENCE LISTING

DATE: 08/21/2002

PATENT APPLICATION: US/09/998,551E

TIME: 14:45:47

Input Set : A:\09820155.ST25.txt

Output Set: N:\CRF3\08212002\I998551E.raw

ENTERED

3 <110> APPLICANT: Nelson, Bryce P  
 4 Liles, Mark R  
 5 Frederick, Kendra  
 6 Corn, Robert M  
 7 Robert, Goodman M  
 9 <120> TITLE OF INVENTION: Label-Free Detection of Nucleic Acids Via Surface Plasmon

## Resonance

11 <130> FILE REFERENCE: 09820.155  
 13 <140> CURRENT APPLICATION NUMBER: 09/998,551E  
 14 <141> CURRENT FILING DATE: 2001-11-29  
 16 <150> PRIOR APPLICATION NUMBER: 09/456,038  
 17 <151> PRIOR FILING DATE: 1999-12-03  
 19 <150> PRIOR APPLICATION NUMBER: 09/368,991  
 20 <151> PRIOR FILING DATE: 1999-08-05  
 22 <150> PRIOR APPLICATION NUMBER: 60/132,342  
 23 <151> PRIOR FILING DATE: 1999-05-04  
 25 <160> NUMBER OF SEQ ID NOS: 14  
 27 <170> SOFTWARE: PatentIn version 3.1  
 29 <210> SEQ ID NO: 1  
 30 <211> LENGTH: 20  
 31 <212> TYPE: DNA  
 32 <213> ORGANISM: Artificial Sequence  
 34 <220> FEATURE:  
 35 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 37 <220> FEATURE:  
 38 <221> NAME/KEY: misc\_feature  
 39 <222> LOCATION: (12)..(12)  
 40 <223> OTHER INFORMATION: n is A or C  
 43 <400> SEQUENCE: 1

W--&gt; 44 agagtttgat cntggctcag

20

47 <210> SEQ ID NO: 2  
 48 <211> LENGTH: 19  
 49 <212> TYPE: DNA  
 50 <213> ORGANISM: Artificial Sequence  
 52 <220> FEATURE:  
 53 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 55 <220> FEATURE:  
 56 <221> NAME/KEY: misc\_feature  
 57 <222> LOCATION: (3)..(3)  
 58 <223> OTHER INFORMATION: n is G or T  
 61 <220> FEATURE:  
 62 <221> NAME/KEY: misc\_feature  
 63 <222> LOCATION: (3)..(3)  
 64 <223> OTHER INFORMATION: n is C or T

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DATE: 08/21/2002

PATENT APPLICATION: US/09/998,551E

TIME: 14:45:47

Input Set : A:\09820155.ST25.txt

Output Set: N:\CRF3\08212002\I998551E.raw

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67 <400> SEQUENCE: 2
W--> 68 ggntaccttg ttacgactt 19
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 20
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Synthetic oligonucleotide
79 <400> SEQUENCE: 3
80 gtccccctct ttggtcttgc 20
83 <210> SEQ ID NO: 4
84 <211> LENGTH: 16
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Synthetic oligonucleotide
91 <400> SEQUENCE: 4
92 ctccccgctg aaagta 16
95 <210> SEQ ID NO: 5
96 <211> LENGTH: 15
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Synthetic oligonucleotide
103 <400> SEQUENCE: 5
104 cggtgcttct tctgc 15
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 21
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Synthetic oligonucleotide
115 <400> SEQUENCE: 6
116 cttttatgtt tgaaccatgc g 21
119 <210> SEQ ID NO: 7
120 <211> LENGTH: 16
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Synthetic oligonucleotide
127 <400> SEQUENCE: 7
128 ttccctaaca acagag 16
131 <210> SEQ ID NO: 8
132 <211> LENGTH: 16
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Synthetic oligonucleotide
139 <400> SEQUENCE: 8

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## RAW SEQUENCE LISTING

DATE: 08/21/2002

PATENT APPLICATION: US/09/998,551E

TIME: 14:45:47

Input Set : A:\09820155.ST25.txt

Output Set: N:\CRF3\08212002\I998551E.raw

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140 cgtggcctttc tggтта                                16
143 <210> SEQ ID NO: 9
144 <211> LENGTH: 17
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Synthetic oligonucleotide
151 <400> SEQUENCE: 9
152 actgctgcct cccgtag                                17
155 <210> SEQ ID NO: 10
156 <211> LENGTH: 24
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Synthetic oligonucleotide
163 <400> SEQUENCE: 10
164 ggatgtgtgt ggagtgttag aaag                        24
167 <210> SEQ ID NO: 11
168 <211> LENGTH: 18
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Synthetic oligonucleotide
175 <400> SEQUENCE: 11
176 gccgaagcca ccttttat                                18
179 <210> SEQ ID NO: 12
180 <211> LENGTH: 18
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Synthetic oligonucleotide
187 <400> SEQUENCE: 12
188 ataaaagggtg gcttcggc                                18
191 <210> SEQ ID NO: 13
192 <211> LENGTH: 18
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Synthetic oligonucleotide
199 <400> SEQUENCE: 13
200 gccagcttat tcaactag                                18
203 <210> SEQ ID NO: 14
204 <211> LENGTH: 18
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Synthetic oligonucleotide
211 <400> SEQUENCE: 14
212 ctagttgaat aagctggc                                18

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/998,551E

DATE: 08/21/2002  
TIME: 14:45:48

Input Set : A:\09820155.ST25.txt  
Output Set: N:\CRF3\08212002\I998551E.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 12  
Seq#:2; N Pos. 3